

Yaohu Kang

List of Publications by Year in descending order

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79
papers

2,796
citations

185998

28
h-index

197535

49
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81
all docs

81
docs citations

81
times ranked

1566
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of different irrigation regimes on the growth and yield of drip-irrigated potato. <i>Agricultural Water Management</i> , 2003, 63, 153-167.	2.4	207
2	Effects of drip irrigation frequency on soil wetting pattern and potato growth in North China Plain. <i>Agricultural Water Management</i> , 2006, 79, 248-264.	2.4	151
3	Salt distribution and the growth of cotton under different drip irrigation regimes in a saline area. <i>Agricultural Water Management</i> , 2011, 100, 58-69.	2.4	134
4	Effects of drip irrigation with saline water on waxy maize (<i>Zea mays</i> L. var. <i>ceratina</i> Kulesh) in North China Plain. <i>Agricultural Water Management</i> , 2010, 97, 1303-1309.	2.4	124
5	Potato evapotranspiration and yield under different drip irrigation regimes. <i>Irrigation Science</i> , 2004, 23, 133-143.	1.3	105
6	Drip irrigation with saline water for oleic sunflower (<i>Helianthus annuus</i> L.). <i>Agricultural Water Management</i> , 2009, 96, 1766-1772.	2.4	98
7	Effects of different water levels on cotton growth and water use through drip irrigation in an arid region with saline ground water of Northwest China. <i>Agricultural Water Management</i> , 2012, 109, 117-126.	2.4	89
8	Effect of drip irrigation with saline water on tomato (<i>Lycopersicon esculentum</i> Mill) yield and water use in semi-humid area. <i>Agricultural Water Management</i> , 2007, 90, 63-74.	2.4	86
9	Effects of soil matric potential on potato growth under drip irrigation in the North China Plain. <i>Agricultural Water Management</i> , 2007, 88, 34-42.	2.4	81
10	Soil salinity management with drip irrigation and its effects on soil hydraulic properties in north China coastal saline soils. <i>Agricultural Water Management</i> , 2012, 115, 10-19.	2.4	77
11	Effect of irrigation methods on root development and profile soil water uptake in winter wheat. <i>Irrigation Science</i> , 2010, 28, 387-398.	1.3	73
12	Effect of soil matric potential on tomato yield and water use under drip irrigation condition. <i>Agricultural Water Management</i> , 2007, 87, 180-186.	2.4	72
13	Winter wheat canopy interception and its influence factors under sprinkler irrigation. <i>Agricultural Water Management</i> , 2005, 74, 189-199.	2.4	67
14	Reclamation of very heavy coastal saline soil using drip-irrigation with saline water on salt-sensitive plants. <i>Soil and Tillage Research</i> , 2015, 146, 159-173.	2.6	66
15	Effect of saline water on cucumber (<i>Cucumis sativus</i> L.) yield and water use under drip irrigation in North China. <i>Agricultural Water Management</i> , 2010, 98, 105-113.	2.4	65
16	Drip irrigation scheduling for tomatoes in unheated greenhouses. <i>Irrigation Science</i> , 2001, 20, 149-154.	1.3	61
17	Effect of soil water potential on radish (<i>Raphanus sativus</i> L.) growth and water use under drip irrigation. <i>Scientia Horticulturae</i> , 2005, 106, 275-292.	1.7	61
18	Influence of different amounts of irrigation water on salt leaching and cotton growth under drip irrigation in an arid and saline area. <i>Agricultural Water Management</i> , 2012, 110, 109-117.	2.4	61

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19	Effects of an imbedded gravel-sand layer on reclamation of coastal saline soils under drip irrigation and on plant growth. <i>Agricultural Water Management</i> , 2013, 123, 12-19.	2.4	51
20	Effect of sprinkler irrigation on microclimate in the winter wheat field in the North China Plain. <i>Agricultural Water Management</i> , 2006, 84, 3-19.	2.4	46
21	Water and salt regulation and its effects on <i>Leymus chinensis</i> growth under drip irrigation in saline-sodic soils of the Songnen Plain. <i>Agricultural Water Management</i> , 2011, 98, 1469-1476.	2.4	43
22	Sprinkler irrigation scheduling of winter wheat in the North China Plain using a 20cm standard pan. <i>Irrigation Science</i> , 2006, 25, 149-159.	1.3	41
23	Drip irrigation of waxy corn (<i>Zea mays</i> L. var. <i>ceratina</i> Kulesh) for production in highly saline conditions. <i>Agricultural Water Management</i> , 2012, 104, 210-220.	2.4	40
24	Effect of drip irrigation frequency on radish (<i>Raphanus sativus</i> L.) growth and water use. <i>Irrigation Science</i> , 2006, 24, 161-174.	1.3	39
25	Shallow sand-filled niches beneath drip emitters made reclamation of an impermeable saline-sodic soil possible while cropping with <i>Lycium barbarum</i> L.. <i>Agricultural Water Management</i> , 2013, 119, 54-64.	2.4	36
26	Response of cucumber to drip irrigation water under a rainshelter. <i>Agricultural Water Management</i> , 2006, 81, 145-158.	2.4	34
27	Chinese rose (<i>Rosa chinensis</i>) cultivation in Bohai Bay, China, using an improved drip irrigation method to reclaim heavy coastal saline soils. <i>Agricultural Water Management</i> , 2015, 158, 99-111.	2.4	34
28	Salt characteristics and soluble cations redistribution in an impermeable calcareous saline-sodic soil reclaimed with an improved drip irrigation. <i>Agricultural Water Management</i> , 2018, 197, 91-99.	2.4	34
29	FIELD EVALUATION ON WATER PRODUCTIVITY OF WINTER WHEAT UNDER SPRINKLER OR SURFACE IRRIGATION IN THE NORTH CHINA PLAIN. <i>Irrigation and Drainage</i> , 2013, 62, 37-49.	0.8	33
30	Assessment of secondary soil salinity prevention and economic benefit under different drip line placement and irrigation regime in northwest China. <i>Agricultural Water Management</i> , 2014, 131, 41-49.	2.4	30
31	Chinese rose (<i>Rosa chinensis</i>) growth and ion accumulation under irrigation with waters of different salt contents. <i>Agricultural Water Management</i> , 2016, 163, 180-189.	2.4	29
32	Chemical fertilizer pollution control using drip fertigation for conservation of water quality in Danjiangkou Reservoir. <i>Nutrient Cycling in Agroecosystems</i> , 2014, 98, 295-307.	1.1	28
33	Agricultural utilization and vegetation establishment on saline-sodic soils using a water-salt regulation method for scheduled drip irrigation. <i>Agricultural Water Management</i> , 2020, 231, 105995.	2.4	28
34	Regulating Field Microclimate using Sprinkler Misting under Hot-dry Windy Conditions. <i>Biosystems Engineering</i> , 2006, 95, 349-358.	1.9	27
35	Germination and growth of <i>Puccinellia tenuiflora</i> in saline-sodic soil under drip irrigation. <i>Agricultural Water Management</i> , 2012, 109, 127-134.	2.4	26
36	Alkaline phosphatase activity and its relationship to soil properties in a saline-sodic soil reclaimed by cropping wolfberry (<i>Lycium barbarum</i> L.) with drip irrigation. <i>Paddy and Water Environment</i> , 2014, 12, 309-317.	1.0	26

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37	Effect of drip irrigation criteria on yield and quality of muskmelon grown in greenhouse conditions. <i>Agricultural Water Management</i> , 2012, 109, 30-35.	2.4	25
38	Effect of drip-irrigation with saline water on Chinese rose (<i>Rosa chinensis</i>) during reclamation of very heavy coastal saline soil in a field trial. <i>Scientia Horticulturae</i> , 2015, 186, 163-171.	1.7	25
39	Use of a New Controlled-Loss-Fertilizer to Reduce Nitrogen Losses during Winter Wheat Cultivation in the Danjiangkou Reservoir Area of China. <i>Communications in Soil Science and Plant Analysis</i> , 2016, 47, 1137-1147.	0.6	21
40	Response of a salt-sensitive plant to processes of soil reclamation in two saline“sodic, coastal soils using drip irrigation with saline water. <i>Agricultural Water Management</i> , 2016, 164, 223-234.	2.4	21
41	Drip fertigation regimes for winter wheat in the North China Plain. <i>Agricultural Water Management</i> , 2020, 228, 105885.	2.4	20
42	Prospects of using drip irrigation for ecological conservation and reclaiming highly saline soils at the edge of Yinchuan Plain. <i>Agricultural Water Management</i> , 2020, 239, 106255.	2.4	20
43	Effects of different drip irrigation regimes on saline“sodic soil nutrients and cotton yield in an arid region of Northwest China. <i>Agricultural Water Management</i> , 2015, 153, 1-8.	2.4	19
44	Salt leaching and response of <i>Dianthus chinensis</i> L. to saline water drip-irrigation in two coastal saline soils. <i>Agricultural Water Management</i> , 2019, 218, 8-16.	2.4	19
45	Effect of water-salt regulation drip irrigation with saline water on tomato quality in an arid region. <i>Agricultural Water Management</i> , 2022, 261, 107347.	2.4	19
46	Growth and yield of oleic sunflower (<i>Helianthus annuus</i> L.) under drip irrigation in very strongly saline soils. <i>Irrigation Science</i> , 2013, 31, 943-957.	1.3	18
47	Improvements of soil salt characteristics and nutrient status in an impermeable saline“sodic soil reclaimed with an improved drip irrigation while ridge planting <i>Lycium barbarum</i> L.. <i>Journal of Soils and Sediments</i> , 2017, 17, 1126-1139.	1.5	18
48	Effect of ridge planting on reclamation of coastal saline soil using drip-irrigation with saline water. <i>Catena</i> , 2017, 150, 24-31.	2.2	17
49	Establishing an ecological forest system of salt-tolerant plants in heavily saline wasteland using the drip-irrigation reclamation method. <i>Agricultural Water Management</i> , 2021, 245, 106587.	2.4	17
50	Root Water Uptake Model Considering Soil Temperature. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013, 18, 394-400.	0.8	15
51	Lateral flushing regime for managing emitter clogging under drip irrigation with saline groundwater. <i>Irrigation Science</i> , 2017, 35, 217-225.	1.3	15
52	Influence of drip irrigation level on salt leaching and vegetation growth during reclamation of coastal saline soil having an imbedded gravel“sand layer. <i>Ecological Engineering</i> , 2017, 108, 59-69.	1.6	15
53	Lateral flushing with fresh water reduced emitter clogging in drip irrigation with treated effluent. <i>Irrigation Science</i> , 2019, 37, 627-635.	1.3	13
54	Response of soil properties and vegetation to reclamation period using drip irrigation in coastal saline soils of the Bohai Gulf. <i>Paddy and Water Environment</i> , 2019, 17, 803-812.	1.0	13

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55	Soil water and salinity dynamics under the improved drip-irrigation scheduling for ecological restoration in the saline area of Yellow River basin. <i>Agricultural Water Management</i> , 2022, 264, 107255.	2.4	13
56	Influence of mulches on urban vegetation construction in coastal saline land under drip irrigation in North China. <i>Agricultural Water Management</i> , 2015, 158, 145-155.	2.4	12
57	Winter wheat growth and water use under different drip irrigation regimes in the North China Plain. <i>Irrigation Science</i> , 2020, 38, 321-335.	1.3	11
58	A vegetation reconstruction method to plant <i>Sedum spectabile</i> Boreau using drip-irrigation with saline water on a coastal saline soil in region around Bohai Gulf. <i>Paddy and Water Environment</i> , 2016, 14, 491-498.	1.0	10
59	Effect of the micro-sprinkler irrigation method with treated effluent on soil physical and chemical properties in sea reclamation land. <i>Agricultural Water Management</i> , 2019, 213, 222-230.	2.4	10
60	DRIP FERTIGATION REGIME FOR POTATO ON SANDY SOIL. <i>Emirates Journal of Food and Agriculture</i> , 0, , 476.	1.0	10
61	Effect of Drip Fertigation on Potato Productivity with Basal Application of Loss Control Fertilizer in Sandy Soil. <i>Irrigation and Drainage</i> , 2018, 67, 210-221.	0.8	8
62	Effect of salinity on oleic sunflower (<i>Helianthus annuus</i> Linn.) under drip irrigation in arid area of Northwest China. <i>Agricultural Water Management</i> , 2022, 259, 107267.	2.4	8
63	Mulches Improve Ridge Tillage Tomato Production under Drip Irrigation with Saline Water. <i>Agronomy Journal</i> , 2019, 111, 2116-2127.	0.9	7
64	Response of tall fescue to the reclamation of severely saline coastal soil using treated effluent in Bohai Bay. <i>Agricultural Water Management</i> , 2019, 218, 203-210.	2.4	7
65	Management of sea reclamation land using drip irrigation with treated effluent and its effect on <i>Rosa chinensis</i> . <i>Agricultural Water Management</i> , 2020, 228, 105887.	2.4	7
66	Different mulching materials influence the reclamation of saline soil and growth of the <i>Lycium barbarum</i> L. under drip-irrigation in saline wasteland in northwest China. <i>Agricultural Water Management</i> , 2021, 247, 106730.	2.4	7
67	NUTRIENT DISTRIBUTION, GROWTH, AND WATER USE EFFICIENCY IN MAIZE FOLLOWING WINTER WHEAT IRRIGATED BY SPRINKLERS OR SURFACE IRRIGATION. <i>Irrigation and Drainage</i> , 2011, 60, 338-347.	0.8	6
68	Response of <i>Symphyotrichum novi-belgii</i> and <i>Dianthus chinensis</i> L. to saline water irrigation in a coastal saline soil. <i>Scientia Horticulturae</i> , 2016, 203, 32-37.	1.7	5
69	Planting trees in saline soil using ridge cultivation with drip irrigation in an arid region of China. <i>Land Degradation and Development</i> , 2022, 33, 1184-1192.	1.8	5
70	Influence of Microsprinkler Irrigation Amount on Water, Soil, and pH Profiles in a Coastal Saline Soil. <i>Scientific World Journal</i> , The, 2014, 2014, 1-9.	0.8	4
71	Simple Method for Determining the Emitter Discharge Rate in the Reclamation of Coastal Saline Soil Using Drip Irrigation. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2015, 141, .	0.6	4
72	Evaluation of methods of nutrient and water management on tea performance and nutrient loss in the Danjiangkou Reservoir area, China. <i>Archives of Agronomy and Soil Science</i> , 2015, , 1-13.	1.3	4

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73	Response of Daylily (<i>Hemerocallis hybridus</i> cv. "Stella de oro"™) to saline water irrigation in two coastal saline soils. <i>Scientia Horticulturae</i> , 2016, 205, 39-44.	1.7	4
74	Leaching efficiency and plant growth response in an integrated use of saline water for coastal saline soil reclamation. <i>Land Degradation and Development</i> , 2021, 32, 4595-4608.	1.8	4
75	Changes in understory vegetation during the reclamation of saline-alkali soil by drip irrigation for shelterbelt establishment in the Hetao Irrigation Area of China. <i>Catena</i> , 2022, 214, 106247.	2.2	4
76	Winter wheat growth and water use under different micro-sprinkling irrigation regimes in the North China Plain. <i>Paddy and Water Environment</i> , 2020, 18, 561-571.	1.0	3
77	Amelioration of takyric solonetz using drip irrigation with soil-water redistribution medium*. <i>Irrigation and Drainage</i> , 2022, 71, 108-119.	0.8	3
78	Drip irrigation using highly saline groundwater increases sunflower yield in heavily saline soil. <i>Agronomy Journal</i> , 2021, 113, 2950-2959.	0.9	2
79	Simple Method for Determining the Emitter Discharge Rate in the Reclamation of Takyric Solonetz with Drip Irrigation. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2022, 148, .	0.6	0